In each part, an invertible function f will be defined. For each function, find its inverse.

Exercise 1 $f(x) = 5x + 3$

$$f^{-1}(x) = \boxed{\frac{x-3}{5}}$$

Exercise 2 $f(x) = \dfrac{x-4}{7} - 2$

$$f^{-1}(x) = \boxed{7(x+2)+4}$$

Exercise 3 $f(x) = \sqrt[3]{3-x} + 1$

$$f^{-1}(x) = \boxed{3-(x-1)^3}$$
